

9/24/02

To: WILLIAM DOWLING

Re: 09/163,163 US 6,000,802

Attached are search results.

**No U. S. litigation was found in searches of
Lexis-Nexis and Questel-Orbit databases.**

**If more searching or explanation is needed, please
let me know.**

**Thanks,
Darcy Bates
STIC-EIC2800
306-5419
CP4-9C 18**

Source: [Legal](#) > [Area of Law - By Topic](#) > [Patent Law](#) > [Patents](#) > [U.S. Patents](#) > [Utility Patents](#) (i)

Terms: **patno=6000802** ([Edit Search](#))

00163163 () 6000802 December 14, 1999

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT
6000802

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December 14, 1999

Projection-type display apparatus

REISSUE: December 3, 2001 - Reissue Application filed Ex. Gp.: 2851; Re. S.N.
10/014,937 April 30, 2002

INVENTOR: Hashizume, Toshiaki, Suwa, JPX; Iechika, Hisashi, Suwa, JPX; Ogawa, Yasunori,
Suwa, JPX; Haba, Shinji, Suwa, JPX; Yajima, Akitaka, Suwa, JPX

APPL-NO: 00163163 ()

FILED-DATE: September 30, 1998

GRANTED-DATE: December 14, 1999

PRIORITY: August 19, 1996 - 8-217652, Japan (JP); July 15, 1997 - 9-190004, Japan (JP)

ASSIGNEE-AT-ISSUE: Seiko Epson Corporation, Tokyo, JPX

LEGAL-REP: Oliff & Berridge, PLC

PUB-TYPE: December 14, 1999 - Utility Patent having no previously published pre-grant
publication (A)

PUB-COUNTRY: United States (US)

REL-DATA:

Addition of Ser. No. 912565, August 18, 1997

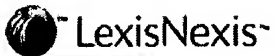
US-MAIN-CL: 353#038

US-ADDL-CL: 349#005, 349#061, 353#020, 353#031

SEARCH-FLD: 353##31 , 353##20 , 353##33 , 353##34 , 353##37 , 353##38 ,
353##101 , 353##98 , 353##99 , 353##119 , 353##69 , 353##70 , 349##5 , 349##7 ,
349##8 , 349##9 , 349##61 , 349##62

IPC-MAIN-CL: G 03B021#14

PRIM-EXMR: Dowling, William

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patno=6000802

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**PALM INTRANET**Day : Tuesday
Date: 9/24/2002
Time: 16:43:29**Application Number Information**

Application Number: 10/014937

Assignments

Filing Date: 12/14/2001

Effective Date: 12/14/2001

Application Received: 12/14/2001

Patent Number:

Issue Date: 00/00/0000

Date of Abandonment: 00/00/0000

Attorney Docket Number: 039791.98

Status: 30 /DOCKETED NEW CASE - READY FOR EXAMINATION

Confirmation Number: 1005

Title of Invention: PROJECTOR

Examiner Number: 68272 / **DOWLING, WILLIAM**

Group Art Unit: 2851

Class/Subclass: 353/031.000

Lost Case: NO

Interference Number:

Unmatched Petition: NO

L&R Code: Secrecy Code:1

Third Level Review: NO

Secrecy Order: NO

Status Date: 09/10/2002

Bar Code	Location	Location Date	Chrg to Loc	Charge to Name	Emp. ID	Infra Loc
10014937	28U1 TC-2800 SPRE, CP4 06E14	09/10/2002	28X1	DOWLING, WILLIAM	CLABALLE	CP4/06/D 33

**Appln
Info**[Contents](#)[Petition Info](#)[Atty/Agent Info](#)[Continuity Data](#)[Foreign Data](#)[Inve](#)Search Another: Application# or Patent# PCT / / or PG PUBS # Attorney Docket # Bar Code #

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PALM INTRANET

Day : Tuesday
Date: 9/24/2002
Time: 16:43:36

Continuity Information for 10/014937

Parent Data

10014937

is a reissue of 09163163

Which is a continuation of 08912565

Child Data

No Child Data

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**PALM INTRANET**Day : Tuesday
Date: 9/24/2002
Time: 15:15:43**Application Number Information**Application Number: **09/163163****Assignments**Filing Date: **09/30/1998**Effective Date: **09/30/1998**Application Received: **09/30/1998**Patent Number: **6000802**Issue Date: **12/14/1999**Date of Abandonment: **00/00/0000**Attorney Docket Number: **JAO-39791A**Status: **150 /PATENTED CASE**Confirmation Number: **9678**Title of Invention: **PROJECTION-TYPE DISPLAY APPARATUS**Examiner Number: **68272 / DOWLING, WILLIAM**Group Art Unit: **2851**Class/Subclass: **353/031.000**Lost Case: **NO**

Interference Number:

Unmatched Petition: **NO**L&R Code: Secrecy Code: **1**Third Level Review: **NO**Secrecy Order: **NO**Status Date: **12/06/1999**

Bar Code	Location	Location Date	Chrg to Loc	Charge to Name	Emp. ID	Infra Loc
09163163	9200 FILE REPOSITORY (FRANCONIA)	09/23/2002	2851	No Charge to Name	DDAVIS6	

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PALM INTRANET

Day : Tuesday
Date: 9/24/2002
Time: 15:15:47

Continuity Information for 09/163163

Parent Data

09163163

is a continuation of 08912565**Child Data**10014937 is a reissue of 09163163

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**PALM INTRANET**Day : Tuesday
Date: 9/24/2002
Time: 15:17:23**Application Number Information**Application Number: **08/912565****Assignments**Filing Date: **08/18/1997**Effective Date: **08/18/1997**Application Received: **08/18/1997**Patent Number: **5865521**Issue Date: **02/02/1999**Date of Abandonment: **00/00/0000**Attorney Docket Number: **JAO-39791**Status: **150 /PATENTED CASE**Confirmation Number: **4795**Title of Invention: **PROJECTION-TYPE DISPLAY APPARATUS**Examiner Number: **68272 / DOWLING, WILLIAM**Group Art Unit: **2851**Class/Subclass: **353/031.000**Lost Case: **NO**

Interference Number:

Unmatched Petition: **NO**L&R Code: Secrecy Code:1Third Level Review: **NO**Secrecy Order: **NO**Status Date: **01/07/1999**

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08912565	28U2 TC-2800 SPRE, CP4 06E10	09/23/2002	28D1	No Charge to Name	HPHAN	CP4/06/E 14

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Continuity Information for 08/912565

Parent Data

No Parent Data

Child Data09163163 is a continuation of 0891256509774645 is a reissue of 0891256510014937 is a reissue of 09163163[Appln Info](#)[Contents](#)[Petition Info](#)[Atty/Agent Info](#)[Continuity
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**PALM INTRANET**Day : Tuesday
Date: 9/24/2002
Time: 15:17:33**Application Number Information**

Application Number: 09/774645

Assignments

Filing Date: 02/01/2001

Effective Date: 02/01/2001

Application Received: 02/01/2001

Patent Number: .

Issue Date: 00/00/0000

Date of Abandonment: 00/00/0000

Attorney Docket Number: 039791.99

Status: 71 /RESPONSE TO NON-FINAL OFFICE ACTION ENTERED
AND FORWARDED TO EXAMINER

Confirmation Number: 5308

Title of Invention: PROJECTOR

Examiner Number: 68272 / DOWLING, WILLIAM

Group Art Unit: 2851

Class/Subclass: 353/101.000

Lost Case: NO

Interference Number:

Unmatched Petition: NO

L&R Code: Secrecy Code:1

Third Level Review: NO

Secrecy Order: NO

Status Date: 02/25/2002

Bar Code	Location	Location Date	Chrg to Loc	Charge to Name	Emp. ID	Infra Loc
09774645	28U2 TC-2800 SPRE, CP4 06E10	09/23/2002	28D1	No Charge to Name	HPHAN	CP4/06/E 14

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Parent Data

09774645

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 **PALM INTRANET**Day : Tuesday
Date: 9/24/2002
Time: 15:17:48**Application Number Information**

Application Number: 10/014937

Assignments

Filing Date: 12/14/2001

Effective Date: 12/14/2001

Application Received: 12/14/2001

Patent Number:

Issue Date: 00/00/0000

Date of Abandonment: 00/00/0000

Attorney Docket Number: 039791.98

Status: 30 /DOCKETED NEW CASE - READY FOR EXAMINATION

Confirmation Number: 1005

Title of Invention: PROJECTOR

Examiner Number: 68272 / **DOWLING, WILLIAM**

Group Art Unit: 2851

Class/Subclass: 353/031.000

Lost Case: NO

Interference Number:

Unmatched Petition: NO

L&R Code: Secrecy Code:1

Third Level Review: NO

Secrecy Order: NO

Status Date: 09/10/2002

Bar Code	Location	Location Date	Chrg to Loc	Charge to Name	Emp. ID	Infra Loc
10014937	28U1 TC-2800 SPRE, CP4 06E14	09/10/2002	28X1	DOWLING, WILLIAM	CLABALLE	CP4/06/D 33

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PALM INTRANET

Day : Tuesday
Date: 9/24/2002
Time: 15:17:52

Continuity Information for 10/014937

Parent Data

10014937

is a reissue of 09163163

Which is a continuation of 08912565**Child Data**

No Child Data

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Source: [Legal](#) > [Area of Law - By Topic](#) > [Patent Law](#) > [Patents](#) > [U.S. Patents](#) > [Utility Patents](#) ⓘ

Terms: **patno is 5865521** ([Edit Search](#))

08912565 () 5865521 February 2, 1999

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT
5865521

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February 2, 1999

Projection-type display apparatus

INVENTOR: Hashizume, Toshiaki, Suwa, JPX; Iechika, Hisashi, Suwa, JPX; Ogawa, Yasunori, Suwa, JPX; Haba, Shinji, Suwa, JPX; Yajima, Akitaka, Suwa, JPX

APPL-NO: 08912565 ()

FILED-DATE: August 18, 1997

GRANTED-DATE: February 2, 1999

PRIORITY: August 19, 1996 - 8-217652, Japan (JP); July 15, 1997 - 9-190004, Japan (JP)

ASSIGNEE-AT-ISSUE: Seiko Epson Corporation, Tokyo, JPX

ASSIGNEE-AFTER-ISSUE: February 27, 1998 - ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS)., SEIKO EPSON CORPORATION 4-1, NISHISHINJUKU 2-CHOME, SHINJUKU-KU TOKYO 163, JAPAN,, Reel and Frame Number: 009012/0309

LEGAL-REP: Oliff & Berridge, PLC

PUB-TYPE: February 2, 1999 - Utility Patent having no previously published pre-grant publication (A)

PUB-COUNTRY: United States (US)

US-MAIN-CL: 353#038

US-ADDL-CL: 353#020, 353#031, 353#037, 353#101, 359#009

SEARCH-FLD: 353#38 , 353#20 , 353#31 , 353#34 , 353#37 , 353#101 , 353#119 , 353#69 , 353#70

IPC-MAIN-CL: G 03B021#14

PRIM-EXMR: Dowling, William

REF-CITED:

5098184, 1992, United States (US)

5418583, 1995, United States (US)

5626409, 1997, United States (US)

Query/Command : file pluspat

Selected file: PLUSPAT

Search statement 2

Query/Command : us6000802/pn

SS 2: Results 1

Search statement 3

Query/Command : prt fu legalall max

1 / 1 PLUSPAT - QUESTEL-ORBIT

PN - US6000802 A 19991214 [US6000802]
TI - (A) Projection-type display apparatus
PA - (A) SEIKO EPSON CORP (JP)
IN - (A) HASHIZUME TOSHIAKI (JP); IECHIKA HISASHI (JP); OGAWA YASUNORI (JP); HABA SHINJI (JP); YAJIMA AKITAKA (JP)
AP - US16316398 19980930 [1998US-0163163]
PR - JP19000497 19970715 [1997JP-0190004]
JP21765296 19960819 [1996JP-02176521]
US16316398 19980930 [1998US-0163163]
US91256597 19970818 [1997US-09125651]
IC - (A) G03B-021/14
PCL - ORIGINAL (O) : 353038000; CROSS-REFERENCE (X) : 349005000 349061000
353020000 353031000
DT - Basic
CT - US5098184; US5418583; US5418586; US5626409; US5649753; US5662401;
US5755503; US5786939; JP3-111806
STG - (A) United States patent
AB - An output light from an light source lamp unit 8 in a projection-type display apparatus illuminates liquid-crystal light valves 9258, 9256 and 925B for three colors via an integrator optical system 923. A superimposing lens 930 that is a component of the integrator optical system 923 as a uniform illumination optical system is arranged such that the mounting position of the superimposing lens 930 is fine-adjustable in a direction orthogonal to an optical axis 1a. By fine-adjusting the mounting position of the superimposing lens 930, the position of an illumination area B is adjusted such that the illumination area includes the image forming area A of the liquid-crystal light valve. It is illumination area includes the image forming area A of the liquid-crystal light valve. It is not necessary to assure a wide margin around the image forming area A to cover the offset of the position of the illumination area B. As a result, the utilization of illumination light is heightened and a bright projected image results.

1 / 1 LGST - (c)LEGSTAT

PN - US 6000802 [US6000802]
AP - US 163163/98 19980930 [1998US-0163163]
DT - US-P
ACT - 19980930 US/AE-A
APPLICATION DATA (PATENT)
US 163163/98 19980930 [1998US-0163163]
19991214 US/A
PATENT
20020430 US/RF
REISSUE APPLICATION FILED
20011203
UP - 2002-20

1 / 1 CRXX - CLAIMS/RRX

AN - 3253291
PN - 6,000,802 A 19991214 [US6000802]
PA - Seiko Epson Corp JP
PT - M (Mechanical)
ACT - 20011203 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20020430
REISSUE REQUEST NUMBER: 10/014937
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2851
Reissue Patent Number:

UP - 2002-18
UACT - 2002-04-30

1 / 1 PAST - Thomson Derwent

AN - 200218-001830
PN - 6000802 A [US6000802]
DT - A (UTILITY)
OG - 2002-04-30
CO - REA
ACT - REISSUE APPLICATION FILED
SH - REISSUE APPLICATION FILED

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Selected file: INPADOC

Search statement 2

Query/Command : fam us6000802/pn

1 Patent Groups

** SS 2: Results 11

Search statement 3

Query/Command : famstate nonstop

1 / 11 INPADOC - ©INPADOC

PN - CN 1175707 A 19980311 [CN1175707]
TI - PROJECTION TYPE DISPLAY DEVICE
IN - HASHIZUME TOSHIAKI [JP]; IECHIKA HISASHI [JP]; OGAWA YASUNORI [JP]
PA - SEIKO EPSON CORP [JP]
AP - CN 97116050/97-A 19970815 [1997CN-0116050]
PR - JP 217652/96-A 19960819 [1996JP-0217652]
.1P 190004/97-A 19970715 [1997JP-0190004]
IC - G03B-021/00

2 / 11 INPADOC - INPADOC

PN - EP 825472 A2 19980225 [EP-825472]
TI - PROJECTION-TYPE DISPLAY APPARATUS
LA - ENG
IN - HASHIZUME TOSHIAKI [JP]; IECHIKA HISASHI [JP]; OGAWA YASUNORI [JP];
HABA SHINJI [JP]; YAJIMA AKITAKA [JP]
PA - SEIKO EPSON CORP [JP]
AP - EP 97306211 /97-A 19970815 [1997EP-0306211]
PR - JP 217652/96-A 19960819 [1996JP-0217652]
JP 190004/97-A 19970715 [1997JP-0190004]
IC - G02B-027/10; H04N-009/31
DS - DE* GB*

1 / 1 LEGALI - LEGSTAT

PN - EP 825472 [EP-825472]
AP - EP 97306211 /97 19970815 [1997EP-0306211]
DT - EP-P
ACTE - 19970815 EP/AE-A
EP-APPLICATION
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19980225 EP/AK-A2 [+]
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SEARCH REPORT:
DE GB
19980225 EP/A2 [+]
PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT
19990421 EP/AK-A3 [+]
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AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
19990421 EP/A3 [+]
SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93)
19991110 EP/17P [+]
REQUEST FOR EXAMINATION FILED
19990915
20000105 EP/AKX [+]
PAYMENT OF DESIGNATION FEES
DE GB
20000315 EP/17Q [+]
FIRST EXAMINATION REPORT
20000131
UP - 2000-11

3 / 11 INPADOC - INPADOC

PN - EP 825473 A2 19980225 [EP-825473]
TI - PROJECTOR APPARATUS
LA - ENG
IN - OGAWA YASUNORI [JP]; YAJIMA AKITAKA [JP]; IECHIKA HISASHI [JP];
HABA SHINJI [JP]; HASHIZUME TOSHIKI [JP]
PA - SEIKO EPSON CORP [JP]
AP - EP 97306309/97-A 19970819 [1997EP-0306309]
PR - JP 217652/96-A 19960819 [1996JP-0217652]
JP 177453/97-A 19970702 [1997JP-0177453]
IC - G02B-027/10; H04N-009/31
DS - DE* GB*

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PN - EP 825473 [EP-825473]
AP - EP 97306309/97 19970819 [1997EP-0306309]
DT - EP-P
ACTE - 19970819 EP/AE-A
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SEARCH REPORT:
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19980225 EP/A2 [+]
PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT
19990421 EP/AK-A3 [+]
DESIGNATED CONTRACTING STATES IN A SEARCH REPORT:
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
19990421 EP/A3 [+]
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19991117 EP/ 17P [+]

REQUEST FOR EXAMINATION FILED
19990922
20000105 EP/AKX [+]
PAYMENT OF DESIGNATION FEES
DE GB
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FIRST EXAMINATION REPORT
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UP - 2000-11

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PN - EP 825472 A3 19990421 [EP-825472]
TI - PROJECTION-TYPE DISPLAY APPARATUS
LA - ENG
IN - HAS141ZUME TOSHIAKI [JP]; IECHIKA HISASHI [JP]; OGAWA YASUNORI [JP];
HABA SHINJI [JP]; YAJIMA AKITAKA [JP]
PA - SEIKO EPSON CORP [JP]
AP - EP 97306211/97-A 19970815 [1997EP-0306211]
PR - JP 217652/96-A 19960819 [1996JP-0217652]
JP 190004/97-A 19970715 [1997JP-0190004]
IC - G02B-027/10; H04N-009/31
DS - AT* BE* CH* DE* DK* ES* FI* FR* GB* GR* IE* IT* LI* LU* MC* NL* PT* SE*

1 / 1 LEGALI - LEGSTAT
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AP - EP 97306211/97 19970815 [1997EP-0306211]
DT - EP-P
ACTS - 19970815 EP/AE-A
EP-APPLICATION
EP 97306211/97 19970815 [1997EP-0306211]
19980225 EP/AK-A2 [+]
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SEARCH REPORT:
DE GB
19980225 EP/A2 [+]
PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT
19990421 EP/AK-A3 [+]
DESIGNATED CONTRACTING STATES IN A SEARCH REPORT:
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
19990421 EP/A3 [+]
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REQUEST FOR EXAMINATION FILED
19990915
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PAYMENT OF DESIGNATION FEES

DE GB
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FIRST EXAMINATION REPORT
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UP - 2000-I1

5 / 1 1 INPADOC - INPADOC
PN - EP 825473 A3 19990421 [EP-825473]
TI - PROJECTOR APPARATUS
LA - ENG
IN - OGAWA YASUNORI [JP]; YAJIMA AKITAKA [JP]; IECHIKA HISASHI [JP];
HABA SHINJI [JP]; HASHIZUME TOSHIKI [JP]
PA - SEIKO EPSON CORP [JP]
AP - EP 97306309/97-A 19970819 [1997EP-0306309]
PR - JP 217652/96-A 19960819 [1996JP-0217652]
JP 177453/97-A 19970702 [1997JP-0177453]
IC - G02B-027/10; H04N-009/31
DS - AT"BE" CH* DE* DK* ES* FI* FR* GB* GR* IE* IT* LI* LU* MC* NL* PT* SE*

1 / 1 LEGALI- LEGSTAT

PN - EP 825473 [EP-825473]
AP - EP 97306309/97 19970819 [1997EP-0306309]
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19990421 EP/A3 [+]
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FIRST EXAMINATION REPORT

20000128

UP - 2000-11

6 / 11 INPADOC - INPADOC

PN - JP 10115799 A2 19980506 [JP10115799]
TI - PROJECTION TYPE DISPLAY DEVICE
IN - OGAWA TAKANORI; HASHIZUME TOSHIKI; HABA SHINJI; IECHIKA
HISASHI; YAJIMA FUMITAKA
PA - SEIKO EPSON CORP
AP - JP 177453/97-A 19970702 [1997JP-0177453]
PR - JP 177453/97-A 19970702 [1997JP-0177453]
JP 217652/96-A 19960819 [1996JP-0217652]
IC - G02B-027/18; G02B-027/28; G02F-001/13; G02F-001/1335; H04N-005/74

7 / 11 INPADOC - INPADOC

PN - JP 10115803 A2 19980506 [JP10115803]
TI - PROJECTION TYPE DISPLAY DEVICE
IN - HASHIZUME TOSHIKI; IECHIKA HISASHI; OGAWA TAKANORI; HABA
SHINJI; YAJIMA FUMITAKA
PA - SEIKO EPSON CORP
AP - JP 190004/97-A 19970715 [1997JP-0190004]
PR - JP 190004/97-A 19970715 [1997JP-0190004]
JP 217652/96-A 19960819 [1996JP-0217652]
IC - G02B-027/28; G02F-001/13; G02F-001/1335; H04N-005/74

8 / 11 INPADOC - INPADOC

PN - US 6142634 A 20001107 [US6142634]
TI - PROJECTOR
IN - OGAWA YASUNORI [JP]; HABA SHINJI [JP]; YAJIMA AKITAKA [JP];
HASHIZUME TOSHIKI [JP]; IECHIKA HISASHI [JP]
PA - SEIKO EPSON CORP [JP]
AP - US 912566/97-A 19970818 [1997US-0912566]
PR - JP 217652/96-A 19960819 [1996JP-0217652]
JP 177453/97-A 19970702 [1997JP-0177453]
IC - G03B-021/14

1 / 1 LEGALI - LEGSTAT

PN - US 6142634 [US6142634]
AP - US 912566/97 19970818 [1997US-0912566]
DT - US-P
ACTE - 19970818 US/AE-A
APPLICATION DATA (PATENT)
US 912566/97 19970818 [1997US-0912566]
20001107 US/A

PATENT
UP - 2000-48

9 / 11 INPADOC - INPADOC

PN - US 6247817 BA 20010619 [US6247817]
TI - PROJECTOR
IN - OGAWA YASUNORI [JP]; HABA SHINJI [JP]; YAJIMA AKITAKA
HASHIZUME TOSHIKI [JP]; IECHIKA HISASHI [JP]
PA - SEIKO EPSON CORP [US]
AP - US 501656/00-A 20000210 [2000US-0501656]
PR - US 501656/00-A 20000210 [2000US-0501656]
JP 217652/96-A 19960819 [1996JP-0217652]
JP 177453/97-A 19970702 [1997JP-0177453]
US 912566/97-A1 19970818 [1997US-0912566]
IC - G03B-021/14

1 / 1 LEGALI - LEGSTAT

PN - US 6247817 [US6247817]
AP - US 501656/00 20000210 [2000US-0501656]
DT - US-P
ACTE - 20000210 US/AE-A
APPLICATION DATA (PATENT)
US 501656/00 20000210 [2000US-0501656]
20010619 US/BA
PATENT (NO PREVIOUS PRE-GRANT PUBLICATION)
UP - 2001-29

10 / 1 1 INPADOC - INPADOC

PN - US 5865521 A 19990202 [US5865521]
TI - PROJECTION-TYPE DISPLAY APPARATUS
IN - HASHIZUME TOSHIKI [JP]; IECHIKA HISASHI [JP]; OGAWA YASUNORI [JP];
HABA SHINJI [JP]; YAJIMA AKITAKA [JP]
PA - SEIKO EPSON CORP [JP]
AP - US 912565/97-A 19970818 [1997US-0912565]
PR - JP 217652/96-A 19960819 [1996JP-0217652]
JP 190004/97-A 19970715 [1997JP-0190004]
IC - G0313-021/14

1 / 1 LEGALI - LEGSTAT

PN - US 5865521 [US5865521]
AP - US 912565/97 19970818 [1997US-0912565]
DT - US-P
ACTE - 19970818 US/AE-A

APPLICATION DATA (PATENT)

US 912565/97 19970818 [1997US-09125651

19980227 US/AS02

ASSIGNMENT OF ASSIGNOR'S INTEREST

SEIKO EPSON CORPORATION 4-1, NISHISHINJUKU 2-CHOME, SHINJUKU-KU

TOKYO 163, JAPAN * HASHIZUME, TOSHIAKI : 19980217; IECHIKA, HISASHI

19980217; OGAWA, YASUNORI : 19980217; HABA. SHINJI: 19980217; YAJIMA

19980217

19990202 US/A

PATENT

UP - 2000-06

11 / 11 INPADOC - INPADOC

PN - US 6000802 A 19991214 [US60008021

TI - PROJECTION-TYPE DISPLAY APPARATUS

IN - HASHIZUME TOSHIAKI [JP]; IECHIKA HISASHI [JP]; OGAWA YASUNORI [JP];
HABA SHINJI [JP]; YAJIMA AKITAKA [JP]

PA - SEIKO EPSON CORP [JP]

AP - US 163163/98-A 19980930 [1998US-0163163]

PR - US 163163/98-A 19980930 [1998US-0163163]

JP 217652/96-A 19960819 [1996JP-02176521

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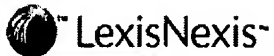
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- ☐ 2. [The National Journal](#), November 3, 1990, WASHINGTON UPDATE; Policy and Politics in Brief; Vol. 22, No. 44; Pg. 2666, 649 words, GOP RECEIPTS OFF FROM '86, BY JAMES A. BARNES
... expenditures were down -- from \$ 8,901,784 to \$ **6,000,802** -- NRS-associated panels ...

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